

[illegible]

Q7OR	Obispo Ranch Formation-undifferentiated Marine sandstone conglomerate.
Gualala Block (Tertiary-Cretaceous)	
Tku	Undifferentiated strata of German Ranch, Anchor Bay and Point- sandstone, siltstone, claystone and conglomerate.
Tp	German Ranch Formation-marine sandstone and mudstone.
Tam	Monterey Group-marine sandstone and shale.
Ka	Gualala Formation, Anchor Bay Member- sandstone, mudstone and conglomerate.
Ka	Gualala Formation, Stewart Point Member- sandstone, congl and mudstone.
Kab	Black Point Spills

Jmg Malange

KJm Central Belt Franciscan-malange: includes chert, greywacke, grey and sandstone-ss.

Great Valley Complex (Cretaceous)

KJgs Sandstone and claystone

SMALL LANDSLIDE: Landslide too small to delineate (less than 150 feet in length).

DISRUPTED GROUND: Irregular ground surface including boulders or too small to delineate into discrete expansive soils, and/or gully erosion. Boundaries are not clearly defined.

DEBRIS SLIDE SLOPE / SOURCE AREA: A place that appears to have been sculpted by numerous small landslides. Slopes are often tightly concave and very steep, and debris flows. Slopes near the angle of repose and fractures parallel the slope.

quent events; lack of vegetation indicates recent activity. Soil is solid where historically active, dashed where dormant, dotted where inactive. Scale is 1:10,000 (typically less than 1/5 acre in area or less than 100 scale, also may include areas affected by downslope creep, erosion, etc.).

- ☐ Faded Boundary
- ☐ Chain Boundary
- ☐ Boundary
- ☐ Land Survey System
- ☐ Highway
- ☐ County Highway
- ☐ Street or Trail
- ☐ Town

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**RELATIVE LAND
GUALALA RIVER**

by Michael S. Fuller,

**E POTENTIAL WITH GEOLOGIC
ERSHED, SONOMA AND ME
LATE 2, SHEET 2 OF 3 (CENT
Wayne D. Haydon, CEG, Michael
Digital Representation by Sandra M. Summers
2002**

by Michael S. Fuller, CEG, Wayne D. Haydon, CEG, Michael G. Purcell, RG and Kit Custis, CEG, CHG